



(12)

EUROPEAN PATENT APPLICATION

(88)

Date of publication A3:
14.02.2024 Bulletin 2024/07

(51)

International Patent Classification (IPC):
G06F 21/62 (2013.01) G06F 16/2453 (2019.01)
H04L 9/40 (2022.01)

(43)

Date of publication A2:
22.11.2023 Bulletin 2023/47

(52)

Cooperative Patent Classification (CPC):
G06F 21/62; G06F 16/24535; G06F 21/6254;
H04L 63/101; G06F 2221/2113; G06F 2221/2141;
G06F 2221/2145

(21)

Application number: 23201890.3

(22)

Date of filing: 30.09.2019

(84)

Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR

(72)

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(30)

Priority: 29.11.2018 US 201816205034
21.08.2019 US 201916547394

(74)

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(62)

Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
19889515.3 / 3 887 993

(71)

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(54)

DIFFERENTIALLY PRIVATE DATABASE PERMISSIONS SYSTEM

(57)

A differentially private system receives a request from a client to perform a query on data stored in a database. The differentially private system establishes a set of permissions of the client with respect to the data in the database. The differentially private system deconstructs the query into query components. The query components include at least one relation that identifies a dataset in the database and at least one expressions specifying an operation to be performed in the identified dataset. The differentially private system identifies permissions necessary to perform the specified operation on the identified dataset. The differentially private system determines whether the established permissions grants of the client include the identified permissions necessary to perform the specified operation on the identified dataset. The differentially private system selectively executes the query responsive to the determination.

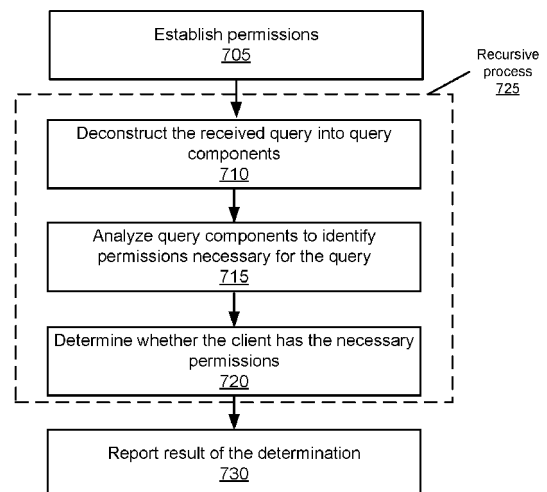


FIG. 7



EUROPEAN SEARCH REPORT

Application Number

EP 23 20 1890

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 20 December 2023	Examiner Rey, Salvador
CATEGORY OF CITED DOCUMENTS		<p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document</p>	
<p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p>			

EPO FORM 1503 03.82 (P04C01)



EUROPEAN SEARCH REPORT

Application Number

EP 23 20 1890

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
Place of search Munich			Date of completion of the search 20 December 2023
Examiner Rey, Salvador			
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 23 20 1890

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82